

What is claimed is:

1. A personal respiratory protection device comprising:
  - a) a flat substantially rectangular central portion having first and second edges,
  - b) a flat first member joined to the first edge of the central portion through either a fold-line, seam, weld or bond, said fold, bond, weld or seam of said first member being substantially coextensive with said first edge of said central portion, and
  - c) a flat second member joined to the second edge of the central portion through either a fold-line, seam, weld or bond, said fold, bond, weld or seam of said second member being substantially coextensive with said second edge of said central portion,at least one of the central portion and first and second members being formed from filter media, and  
said device being capable of being folded flat for storage with said first and second members being in at least partial face-to-face contact with a common surface of said central portion and, during use, being capable of forming a cup-shaped air chamber over the nose and mouth of the wearer with the unjoined edges of the central portion and first and second members said unjoined edges being adapted to contact and be secured to those nose, cheeks and chin of the wearer and the outer boundary of the unjoined edges which are adapted to contact the nose, cheeks and chin of the wearer being less than the perimeter of the device in the flat folded storage state.
2. The respiratory device of claim 1 wherein said central portion is about 160 to 220 mm in width and about 30 to 110 mm in height.
3. The respiratory device of claim 1 wherein said first member is rectangular.
4. The respiratory device of claim 3 wherein said first member is about 160 to 220 mm wide and about 30 to 110 mm deep.
5. The respiratory device of claim 1 wherein said second member is rectangular.

6. The respiratory device of claim 5 wherein said second member is about 160 to 220 mm wide and about 30 to 110 mm deep.
7. The respiratory device of claim 1 wherein said device further comprises an additional member attached to said first member by a fold, seam, weld or bond.
8. The respiratory device of claim 7 wherein said additional member is rectangular.
9. The respiratory device of claim 8 wherein said additional member is about 160 to 220 mm wide and about 5 to 95 mm deep.
10. The respiratory device of claim 1 wherein said device further comprises an additional member attached to said second member by a fold, seam, weld or bond.
11. The respiratory device of claim 10 wherein said additional member is rectangular.
12. The respiratory device of claim 11 wherein said additional member is about 160 to 220 mm wide and about 3 to 9 mm in depth.
13. The respiratory device of claim 1 further comprising an exhalation valve.
14. The respiratory device of claim 13 wherein the exhalation valve is located in the central portion of the respirator.
15. The respiratory device of claim 1 further comprising a face shield.
16. The respiratory device of claim 1 further comprising a face seal.
17. The respiratory device of claim 1 further comprising a neck cover.